

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	418123	("438"/\$.ccls. or "257"/\$.ccls.) and (@pd<"20030324" or @ad<"20030324" or @prad<"20030324" or @rlad<"20030324")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/08 11:19
L2	427	l1 and (hafnium near silicate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/08 11:20
L3	16	l2 and ("AIN" or "AION" or (diffus\$3 near supress\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/08 11:21
L4	6	l1 and (((high dielectric constant) or (high-k)) near2 (diffusing or diffusion) near2 silicon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/08 11:50
L8	2	("20070170502").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/08 12:38
S41	418089	("438"/\$.ccls. or "257"/\$.ccls.) and (@pd<"20030324" or @ad<"20030324" or @prad<"20030324" or @rlad<"20030324")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 15:59
S42	50	S41 and ((hafnium oxide or high-k dielectric or "HfO. sub.2") with barrier with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:01

S43	290	S41 and (hafnium oxide or high-k dielectric or "HfO.sub.2") and (barrier near2 nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:22
S44	284	S43 not S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:22
S45	17	S41 and (hafnium oxide or high-k dielectric or "HfO.sub.2") and (metal silicate) and ("AlON" or "AlO.sub.xN.sub.y" or "AlN")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:26
S46	7	("4097314"   "5431734"   "5540777"   "5648113"   "5728222"   "6037003"   "6312565").PN. OR ("7015152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:34
S47	7	("4097314"   "5431734"   "5540777"   "5648113"   "5728222"   "6037003"   "6312565").PN. OR ("7015152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:34
S48	43	("5231061"   "5337651"   "5382817"   "5393564"   "5499799"   "5650361"   "5668028"   "5783716"   "5820664"   "5861189"   "5879459"   "5998870"   "6015917"   "6048790"   "6067244"   "6214105"   "6214729"   "6225237"   "6541067").PN. OR ("6984591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 16:43
S49	0	S41 and (gate dielectric near2 (hafnium oxide or high-k dielectric or "HfO.sub.2")) and ("AlON" or "AlN" or aluminum nitride or aluminum oxy\$2nitride) and ((heat\$3 or anneal\$3) with silicate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:49
S50	15	S41 and (gate dielectric near2 (hafnium oxide or high-k dielectric or "HfO.sub.2")) and ("AlON" or "AlN" or aluminum nitride or aluminum oxy\$2nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:50

S51	0	S41 and ((hafnium oxide or high-k dielectric or "HfO. sub.2") with (anneal\$3 or heat\$3) with ("aln" or "alon" or aluminum nitride or aluminum oxy\$2nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:56
S52	19	S41 and ((hafnium oxide or high-k dielectric or "HfO. sub.2") same (anneal\$3 or heat\$3) same ("aln" or "alon" or aluminum nitride or aluminum oxy\$2nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/03 16:57
S53	53	("4545115"   "5195018"   "5508092"   "5646583"   "5742471"   "6015739"   "6335240").PN. OR ("6627503").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/03 17:05

**EAST Search History (Interference)**

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**9/ 8/ 2009 3:11:13 PM****C:\ Documents and Settings\ mmalek1\ My Documents\ EAST\ Workspaces\ 10550645.wsp**